Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-20. (Canceled).

21. (Previously Presented) An isolated antibody or portion thereof that specifically binds to a protein selected from the group consisting of:

(a) a protein whose sequence consists of amino acid residues 2 to 158 of SEQ ID NO:2;

(b) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and

(c) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 50 contiguous amino acid residues of SEQ ID NO:2.

22. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (a).

23. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (b).

24. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (c).

25. (Canceled).

26. (Previously Presented) The antibody or portion thereof of claim 21 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

27. (Previously Presented) The antibody or portion thereof of claim 21 which is a monoclonal antibody.

28. (Previously Presented) The antibody or portion thereof of claim 21 which is a polyclonal antibody.

29. (Previously Presented) The antibody or portion thereof of claim 21 which is a chimeric antibody.

30. (Previously Presented) The antibody or portion thereof of claim 21 which is a humanized antibody.

31. (Previously Presented) The antibody or portion thereof of claim 21 which is a human antibody.

32. (Previously Presented) The antibody or portion thereof of claim 21 which is a single chain antibody.

33. (Previously Presented) The antibody or portion thereof of claim 21 which is a Fab fragment.

34. (Previously Presented) The antibody or portion thereof of claim 21 which is labeled.

35. (Previously Presented) An isolated cell that produces the antibody of claim 21.

36. (Previously Presented) A hybridoma that produces the antibody of claim 21.

37. (Previously Presented) A hybridoma that produces the antibody of claim 21.

38. (Withdrawn) A method of detecting a colon specific protein, Seq ID # 2 in a biological sample comprising:

(a) contacting the biological sample with the antibody or portion thereof of claim 21; and

(b) detecting the colon specific protein in the biological sample.

39. (Withdrawn) The method of claim 38 wherein the antibody is a monoclonal antibody.

40. (Withdrawn) The method of claim 38 wherein the antibody is a polyclonal antibody.

41. (Withdrawn) The method of claim 38 wherein the antibody is a chimeric antibody.

42. (Withdrawn) The method of claim 38 wherein the antibody is a humanized antibody.

43 (Withdrawn) The method of claim 38 wherein the antibody is a human antibody.

44. (Withdrawn) The method of claim 38 wherein the antibody is a single chain antibody.

45. (Withdrawn) The method of claim 38 wherein the antibody is a labeled antibody.

46. (Previously Presented) An isolated antibody or portion thereof produced by immunizing an animal with a protein selected from the group consisting of:

(a) a protein whose sequence comprises amino acid residues 2 to 158 of SEQ ID NO:2;

(b) a protein whose sequence comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and

(c) a protein whose sequence comprises at least 50 contiguous amino acid residues of SEQ ID NO:2,

wherein said antibody or portion thereof specifically binds to the amino acid sequence of SEQ ID NO:2.

47. (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (a).

48. (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (b).

49. (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (c).

50. (Canceled).

51. (Previously Presented) An isolated antibody or portion thereof that specifically binds to a protein whose sequence consists of amino acid residues 1 to 158 of SEQ ID NO:2.

52. (Previously Presented) The antibody or portion thereof of claim 51 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

53. (Previously Presented) The antibody or portion thereof of claim 51 which is a monoclonal antibody.

54. (Previously Presented) The antibody or portion thereof of claim 51 which is a polyclonal antibody.

55. (Previously Presented) The antibody or portion thereof of claim51 which is a chimeric antibody.

56. (Previously Presented) The antibody or portion thereof of claim 51 which is a humanized antibody.

57. (Previously Presented) The antibody or portion thereof of claim 51 which is a human antibody.

58. (Previously Presented) The antibody or portion thereof of claim 51 which is a single chain antibody.

59. (Previously Presented) The antibody or portion thereof of claim 51 which is a Fab fragment.

60. (Previously Presented) The antibody or portion thereof of claim 51 which is labeled.

61. (Previously Presented) An isolated cell that produces the antibody of claim 51.

62. (Previously Presented) A hybridoma that produces the antibody of claim 51.

63. (Previously Presented) A hybridoma that produces the antibody of claim 53.

64. (Withdrawn) A method of detecting a colon specific protein in a biological sample comprising:

(a) contacting the biological sample with the antibody or portion thereof of claim 51; and

(b) detecting the colon specific protein in the biological sample.

65. (Withdrawn) The method of claim 64 wherein the antibody is a monoclonal antibody.

66. (Withdrawn) The method of claim 64 wherein the antibody is a polyclonal antibody.

67. (Withdrawn) The method of claim 64 wherein the antibody is a chimeric antibody.

68. (Withdrawn) The method of claim 64 wherein the antibody is a humanized antibody.

69. (Withdrawn) The method of claim 64 wherein the antibody is a human antibody.

70. (Withdrawn) The method of claim 64 wherein the antibody is a single chain antibody.

71. (Withdrawn) The method of claim 64 wherein the antibody is a labeled antibody.

72. (Previously Presented) An isolated antibody or portion thereof produced by immunizing an animal with a protein whose sequence comprises amino acid residues 1 to 158 of SEQ ID NO:2 wherein said antibody or portion thereof specifically binds to the protein of SEQ ID NO:2.

73. (Previously Presented) An isolated antibody or portion thereof that specifically binds to a protein selected from the group consisting of:

(a) a protein whose sequence consists of the amino acid sequence of the mature polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129;

(b) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129, wherein said fragment comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129; and

(c) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129, wherein said fragment comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129.

74. (Previously Presented) The antibody or portion thereof of claim 73 that specifically binds protein (a).

75. (Previously Presented) The antibody or portion thereof of claim 73 that specifically binds protein (b).

76. (Previously Presented) The antibody or portion thereof of claim 73 that specifically binds protein (c).

77. (Canceled).

78. (Previously Presented) The antibody or portion thereof of claim 73 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

79. (Previously Presented) The antibody or portion thereof of claim 73 which is a monoclonal antibody.

80. (Previously Presented) The antibody or portion thereof of claim 73 which is a polyclonal antibody.

81. (Previously Presented) The antibody or portion thereof of claim 73 which is a chimeric antibody.

82. (Previously Presented) The antibody or portion thereof of claim 73 which is a humanized antibody.

83. (Previously Presented) The antibody or portion thereof of claim 73 which is a human antibody.

84. (Previously Presented) The antibody or portion thereof of claim 73 which is a single chain antibody.

85. (Previously Presented) The antibody or portion thereof of claim 73 which is a Fab fragment.

86. (Previously Presented) The antibody or portion thereof of claim 73 which is labeled.

87. (Previously Presented) An isolated cell that produces the antibody of claim 73.

88. (Previously Presented) A hybridoma that produces the antibody of claim 73.

89. (Previously Presented) A hybridoma that produces the antibody of claim 79.

90. (Withdrawn) A method of detecting a colon specific protein in a biological sample comprising:

(a) contacting the biological sample with the antibody or portion thereof of claim 73; and

(b) detecting the colon specific protein in the biological sample.

91. (Withdrawn) The method of claim 90 wherein the antibody is a monoclonal antibody.

92. (Withdrawn) The method of claim 90 wherein the antibody is a polyclonal antibody.

93. (Withdrawn) The method of claim 90 wherein the antibody is a chimeric antibody.

94. (Withdrawn) The method of claim 90 wherein the antibody is a humanized antibody.

95. (Withdrawn) The method of claim 90 wherein the antibody is a human antibody.

96. (Withdrawn) The method of claim 90 wherein the antibody is a single chain antibody.

97. (Withdrawn) The method of claim 90 wherein the antibody is a labeled antibody.

98. (Previously Presented) An isolated antibody or portion thereof produced by immunizing an animal with a protein selected from the group consisting of:

(a) a protein whose sequence comprises the amino acid sequence of the mature polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129;

(b) a protein whose sequence comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129; and

(c) a protein whose sequence comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129;

wherein said antibody or portion thereof specifically binds to the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129.

99. (Previously Presented) The antibody or portion thereof of claim 98 produced by immunizing an animal with protein (a).

100. (Previously Presented) The antibody or portion thereof of claim 98 produced by immunizing an animal with protein (b).

101. (Previously Presented) The antibody or portion thereof of claim 98 produced by immunizing an animal with protein (c).

102. (Canceled).

103. (Previously Presented) An isolated antibody or portion thereof that specifically binds to a protein whose sequence consists of the amino acid sequence of the full-length polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129.

104. (Previously Presented) The antibody or portion thereof of claim 103 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

105. (Previously Presented) The antibody or portion thereof of claim 103 which is a monoclonal antibody.

106. (Previously Presented) The antibody or portion thereof of claim 103 which is a polyclonal antibody.

107. (Previously Presented) The antibody or portion thereof of claim 103 which is a chimeric antibody.

108. (Previously Presented) The antibody or portion thereof of claim 103 which is a humanized antibody.

109. (Previously Presented) The antibody or portion thereof of claim 103 which is a human antibody.

110. (Previously Presented) The antibody or portion thereof of claim 103 which is a single chain antibody.

111. (Previously Presented) The antibody or portion thereof of claim 103 which is a Fab fragment.

112. (Previously Presented) The antibody or portion thereof of claim 103 which is labeled.

113. (Previously Presented) An isolated cell that produces the antibody of claim 103.

114. (Previously Presented) A hybridoma that produces the antibody of claim 103.

115. (Previously Presented) A hybridoma that produces the antibody of claim 103.

116. (Withdrawn) A method of detecting a colon specific protein in a biological sample comprising:

(a) contacting the biological sample with the antibody or portion thereof of claim 103; and

(b) detecting the colon specific protein in the biological sample.

117. (Withdrawn) The method of claim 116 wherein the antibody is a monoclonal antibody.

118. (Withdrawn) The method of claim 116 wherein the antibody is a polyclonal antibody.

119. (Withdrawn) The method of claim 116 wherein the antibody is a chimeric antibody.

120. (Withdrawn) The method of claim 116 wherein the antibody is a humanized antibody.

121. (Withdrawn) The method of claim 116 wherein the antibody is a human antibody.

122. (Withdrawn) The method of claim 116 wherein the antibody is a single chain antibody.

123. (Withdrawn) The method of claim 116 wherein the antibody is a labeled antibody.

124. (Previously Presented) An isolated antibody or portion thereof produced by immunizing an animal with a protein whose sequence consists of the amino acid sequence of the full-length polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129,

wherein said antibody or portion thereof specifically binds to the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97129.

125-126. (Canceled).